



AIR FILTER

TURBOCHARGER

EXHAUST RTD  
SUPPLIED BY PPC

EXHAUST ELBOW  
SUPPLIED BY PPC  
TO BE INSTALLED  
BY SHIPYARD

EXHAUST FLEX  
SUPPLIED BY PPC  
TO BE INSTALLED  
BY SHIPYARD

6" - 125/150# ANSI FLANGE  
PATTERN .88 DIA. 8 BOLT  
ON 9.5 DIA B.C.  
FLOATING FLANGE  
PPC SUPPLIED

8" - 125/150# ANSI FLANGE  
PATTERN .88 DIA. 8 BOLT  
ON 11.25 DIA B.C. (MATING FLANGE SHIPYARD  
RESPONSIBILITY)

NOTES:  
1. EXHAUST FLEX LIMITS  
2.0" AXIAL COMPRESSION  
.75" AXIAL EXTENSION  
.50" LATERAL OFFSET

NOTES:  
--- INDICATES SHIPYARD PLUMBING  
—— INDICATES PPC COMPONENTS.

8" - 125/150# ANSI FLANGE  
PATTERN .88 DIA. 8 BOLT  
ON 11.25 DIA B.C. (MATING FLANGE  
SHIPYARD RESPONSIBILITY)

8" - 125/150# ANSI FLANGE  
PATTERN .88 DIA. 8 BOLT  
ON 11.25 DIA B.C.

GT CRITICAL GRADE  
EXHAUST SILENCER  
316L STAINLESS  
WITH CARBON STEEL WELDED  
BRACKETS (SUPPLIED SHIP LOOSE BY PPC)  
SHIPYARD TO INSTALL SILENCER

# SHIPYARD INSTALLATION DATA

EXHAUST SYSTEM  
1. SHIPYARD RESPONSIBLE FOR DESIGN OF EXHAUST SYSTEM TO PERFORM WITHIN  
THE MANUFACTURERS PARAMETERS AS DEFINED BELOW:  
EXHAUST FLOW RATE: 2256 CFM  
TEMPERATURE 745 F  
MAXIMUM EXHAUST PRESSURE: 2.5 IN HG  
2. CALCULATED PRESSURE DROP ACROSS SILENCER IS .92 IN HG  
3. SHIPYARD TO PROVIDE ALL PIPING, LAGGING, FLANGES, MOUNTING HARDWARE,  
AND OTHER MISCELLANEOUS EXHAUST COMPONENTS EXCEPT AS NOTED ON DRAWING  
4. REFERENCE DRAWING 8-6176206-G1 FOR GENERAL DIMENSIONS  
AND LAYOUT AND 8-6176206-T4 FOR FLEX AND ELBOW DETAIL  
5. EXHAUST FLEX TO BE INSTALLED PER LIMITS AS SHOWN ON THE DRAWING  
INCLUDING THERMAL GROWTH OF ASSOCIATED PIPING

				DRAWING: EXHAUST SYSTEM DIAGRAM EMERGENCY GENERATOR SET			
7215 SOUTH 228TH STREET, KENT, WA 98037 PH. (253) 854-0505 * FAX (253) 850-2631				PROJECT: WASHINGTON STATE FERRIES 144 CAR FERRY			
ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED				DATE	SHEET 1 OF 1	SCALE: NONE	
DESIGNED	RAB	10-13-05		DRAWING NO.			
CHECKED	KJC	10-13-05					
DRAFTED	DMD	10-13-05					
REV. DATE CHECKED				8-6176206-S5			